Armaaruss無人機與士兵偵測系統1.0

(Anthony of Boston)

該文件包含用於軍事追蹤程式的JavaScript 原始碼和 apk 文件，可立即部署，該程式可以檢測敵方無人機和士兵。該代碼將無人機檢測和人體檢測兩個方面結合在一個程式中。該程式中主要和次要識別功能均起作用。這是一個已經過測試的工作APK 文件，可以立即使用和部署。這是中文版

https://www.webintoapp.com/store/510324

這個用於檢測無人機和士兵的JavaScript 應用程式有幾個功能。它具有初級和次級檢測功能。基本偵測（白色邊界框）是使用裝置的網路攝影機對物件進行基本偵測。然而，初級檢測不響應顏色校準，這意味著無論螢幕或框架是亮還是暗，結果都是相同的。二次檢測結果經過色彩校準，這意味著使用不同的濾鏡來改變影格/影片的外觀將影響二次檢測輸出。您可以透過按下黑色按鈕在應用程式中檢查這一點。螢幕將變黑，但仍可啟用主要偵測，而輔助偵測無法再顯示邊界框。在這種情況下，輔助檢測仍然有效，但無法看到或檢測到任何東西，因為螢幕是黑色的 - 它基本上檢測到黑色圖像，而主要檢測仍在處理視訊輸出。這裡的突破在於，用於二次檢測的JavaScript 程式碼將網路攝影機視訊輸出呈現為圖像而不是視訊。理解二次檢測的一個好方法是想像每秒連續上傳一個新的圖像檔案。使用預設的tensorflow物件偵測程式碼，偵測不同影像中的物件將需要實現每秒上傳一個新的映像檔以適應二次偵測過程。該程式稱為Armaaruss 無人機和士兵檢測系統，運行張量流腳本，以便檢測每一幀並將其視為影像，並在每個畫面中顯示和刪除邊界框。這就是Armarus 視覺組件與其他物體偵測程序的不同之處。二次檢測允許我們使用反色作為臨時的夜間檢測功能，進一步增強物體檢測能力，而無需不斷訓練新模型。這是二次檢測追蹤俄羅斯無人機的範例

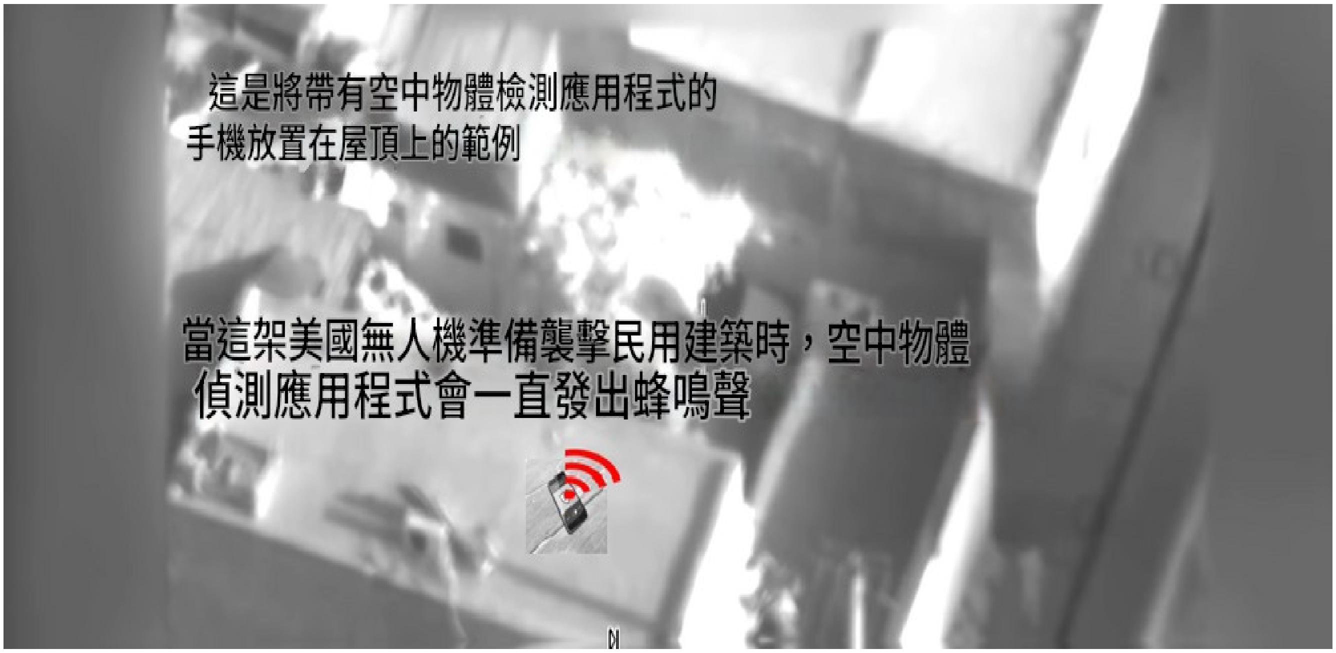
這個空中物體偵測和入侵者偵測系統使用蜂鳴訊號和人工智慧產生的語音來通知何時偵測到空中物體。空中物體在您上方盤旋的時間越長，聲音訊號就越長。理想情況下，士兵可以使用手機上的配件，並將該設備連接到車輛頂部或在戰壕中睡覺時連接到身體。請記住，在戰鬥行動中，必須取出SIM卡，並且必須關閉手機的無線連線。在部署之前，士兵必須連接到 Wi-Fi 並啟動程式。程式啟動後，士兵在戰鬥區域時可以關閉 Wi-Fi 並讓程式繼續運作。若要在戰鬥中偵測空中物體，請將Android 手機固定在背包頂部或安全帽頂部。

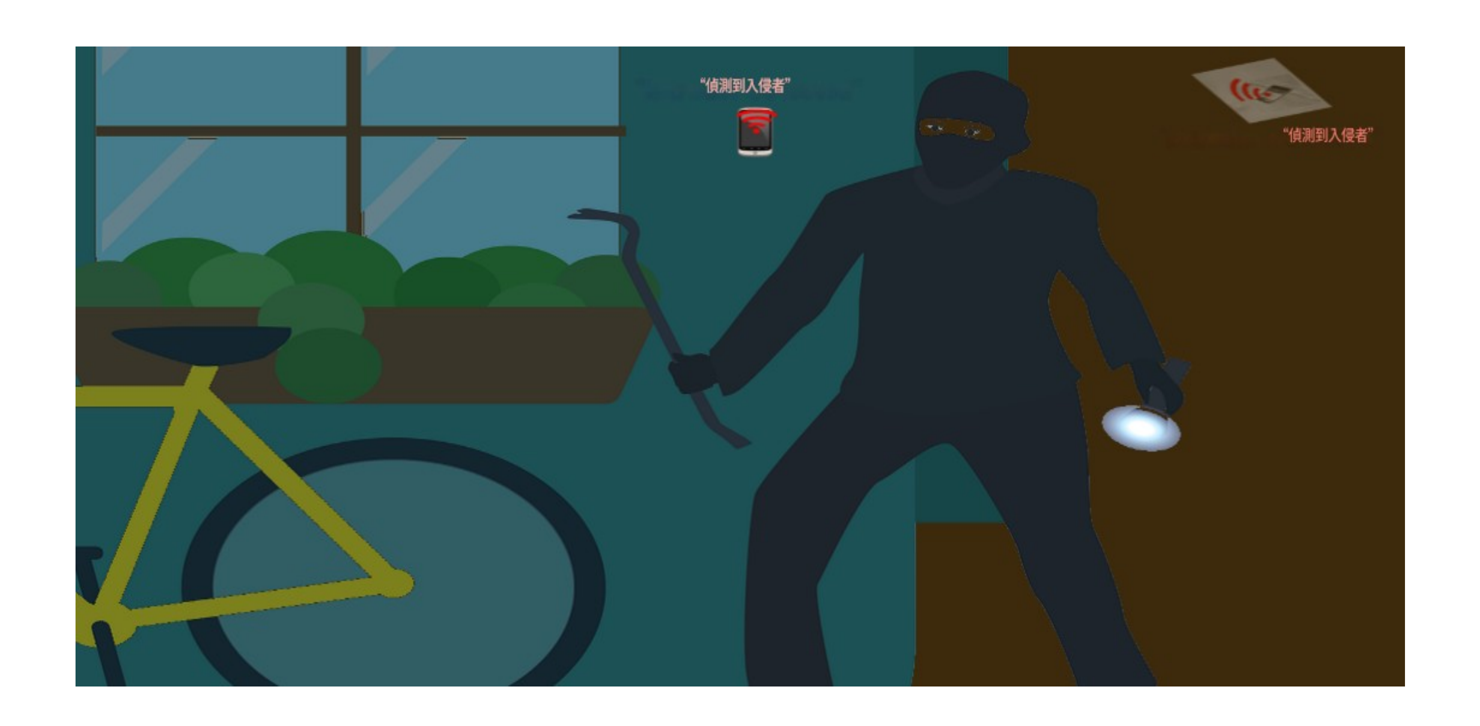
在民用環境中，可以將具有啟動的無線連接的手機放置在屋頂上。透過網路接入，用戶可以透過 Facebook Live 從空中遠端觀看現場

1

。

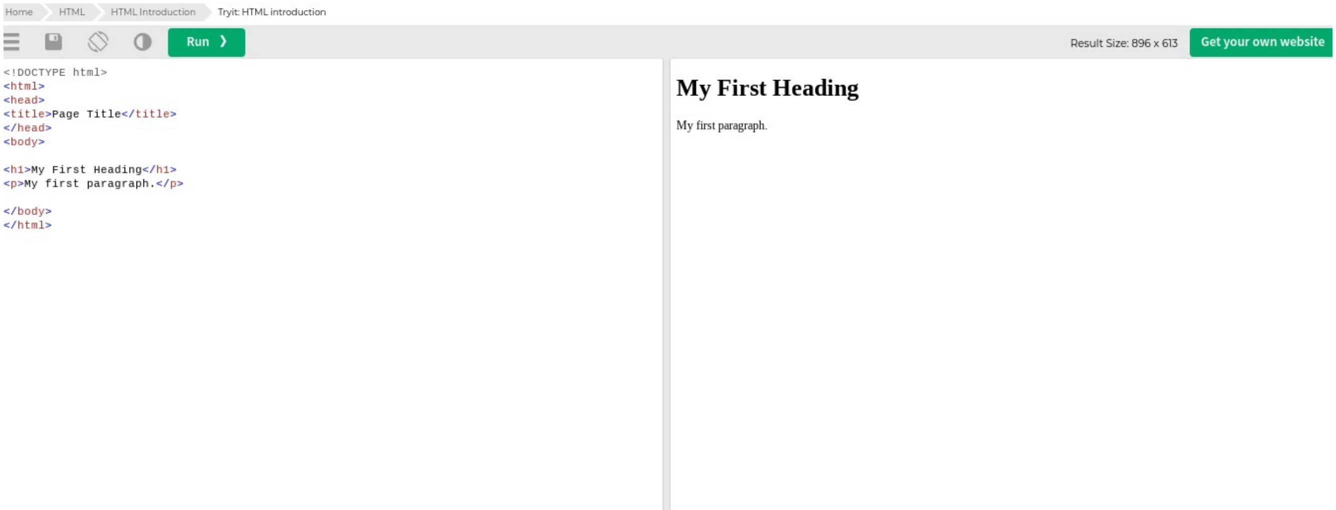
當偵測到入侵者時，入侵者偵測會發出蜂鳴聲。偵測到入侵者後，程式也會發出語音警報，提示「偵測到入侵者」。該應用程式可讓您將手機設置在不同的位置，以便檢測到入侵者何時在該區域。它可用於清理和平叛行動。它對於公民在城市環境中對抗暴徒和其他犯罪分子也很有用。該應用程式可以防止伏擊攻擊。手機可以放置在牆壁縫隙等不顯眼的地方。透過網路訪問，使用者可以透過 Facebook 遠端監控現場，並查看入侵者何時獲得未經授權的訪問。




“偵測到入侵者”
“偵測到入侵者”

偵測到入侵者”

為了進行測試，您可以複製以下 HTML 程式碼並將其貼到 W3Schools 網站上。
https://www.w3schools.com/html/tryit.asp?filename=tryhtml_intro



只需複製並貼上以下 html 程式碼即可為 Android 建立您自己的 apk 文件，或檢查網路攝影機上的物體、無人機入侵者。

```
<html lang="en">
  <head>
    <title>使用 TensorFlow.js 中的預訓練模型進行物件偵測</title>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
```

```
    <!-- Import the webpage's stylesheet -->
    <link rel="stylesheet" href="/style.css">



  </head>


  <style>


html,body,div,span,applet,object,iframe,h1,h2,h3,h4,h5,h6,p,blockquote,pre,a,abbr,acronym,address,big,cite,code,del,dfn,em,img,ins,kbd,q,
s,samp,small,strike,strong,sub,sup,tt,var,b,u,i,center,dl,dt,dd,ol,ul,li,fieldset,form,label,legend,table,caption,tbody,tfoot,thead,tr,th,td,article,
aside,canvas,details,embed,figure,figcaption,footer,header,hgroup,menu,nav,output,ruby,section,summary,time,mark,audio,video{font-
size:100%;font:inherit;padding:0;border:0;margin:0;vertical-align:baseline z-index:12;}body{line-height:1}ol,ul{list-
style:none}blockquote,q{quotes:none}blockquote:before,blockquote:after,q:before,q:after{content:'';content:none}table{border-
collapse:collapse;border-
spacing:0}article,aside,details,figcaption,figure,footer,header,hgroup,menu,nav,section{display:block}.clear{clear:both}
.sticky{}.bypostauthor{}.wp-caption{}.wp-caption-text{}.gallery-caption{}.alignright{}.alignleft{}.aligncenter{}

textarea:focus, input:focus{outline: none; }
*:focus {outline: none;}

body {

  background-color: #999999;
}



.wrapper {

width: 100vw;
height: 100vh;
float: left;
box-sizing: border-box;
position: relative;

   }


#endec1{
left: 300px;
top: 400px;
}

#endec2{
left: 300px;
top: 400px;
}

#intru1{
color: #fff;
  font-size: 8px;;



-webkit-animation: fit 1s infinite;
  animation: fit 1s infinite;
  width: 50%;
margin: 0 auto;
position: absolute;
bottom: 50px;
left: 0;
right: 0;
text-align: center;
}

#intru2{
  font-size: 8px;;
color: #fff;


-webkit-animation: fit 1s infinite;
  animation: fit 1s infinite;
  width: 50%;
margin: 0 auto;
position: absolute;
bottom: 50px;
left: 0;
right: 0;
text-align: center;
```

```
}


#intru{
  font-size: 8px;;



-webkit-animation: fit 1s infinite;
  animation: fit 1s infinite;
  width: 50%;
margin: 0 auto;
position: absolute;
bottom: 50px;
left: 0;
right: 0;
text-align: center;

}



.title {
  width: 100%;
  height: 20vh;
  display: table;
  text-align: center;
  box-sizing: border-box;
}
.title h1 {
font-size: 50px;
color: #FFFFFF;
  display: table-cell;
  vertical-align: middle;
}

.vision {
width: 100%;
height: 80vh;
position: relative;
overflow: hidden;
    z-index: 10;
}

.stage {
width: 100%;
  height: 100%;
  position: absolute;
  top: 0;
  left: 0;
  right: 0;

background-size: cover;
background-repeat: no-repeat;
background-position: center;
}

.overlay {
width: 100%;
  height: 100%;
  position: relative;


background-repeat: repeat;
background-position: center;
}

.overlay .positionals {
width: 25%;
margin: 0 auto;
position: absolute;
bottom: 30px;
left: 50px;
text-align: left;
}
.overlay .positionals p {font-size: 12px;}

.overlay .model {
width: 25%;
margin: 0 auto;

position: absolute;
bottom: 30px;
right: 50px;
text-align: right;
```

```
}
.overlay .model p {font-size: 12px;}

.overlay .left {
width: 40%;
position: absolute;
top: 50px;
left: 50px;

}
.overlay .right {
width: 40%;
position: absolute;
top: 50px;
right: 50px;
text-align: right;
}
.overlay p {
font-size: 10px;
color: #FFFFFF;
margin: 0 auto;
}
.overlay .center {
width: 50%;
margin: 0 auto;
position: absolute;
bottom: 50px;
left: 0;
right: 0;
text-align: center;
}
.overlay .center p {font-size: 20px;}
.overlay .center p span {opacity: 1;}
span.letter1 {
-webkit-animation: letterone 1s infinite;
  animation: letterone 1s infinite;
}
span.letter2 {
-webkit-animation: lettertwo 1s infinite;
  animation: lettertwo 1s infinite;
}
span.letter3 {
-webkit-animation: letterthree 1s infinite;
  animation: letterthree 1s infinite;
}
span.letter4 {
-webkit-animation: letterfour 1s infinite;
  animation: letterfour 1s infinite;
}
span.letter5 {
-webkit-animation: letterfive 1s infinite;
  animation: letterfive 1s infinite;
}
span.letter6 {
  -webkit-animation: lettersix 0.75s infinite;
  animation: lettersix 0.75s infinite;
}



@-webkit-keyframes letterone {80% {opacity: 0;}}
@keyframes letterone {80% {opacity: 0;}}

@-webkit-keyframes lettertwo {85% {opacity: 0;}}
@keyframes lettertwo {85% {opacity: 0;}}

@-webkit-keyframes letterthree {90% {opacity: 0;}}
@keyframes letterthree {90% {opacity: 0;}}

@-webkit-keyframes letterfour {95% {opacity: 0;}}
@keyframes letterfour {95% {opacity: 0;}}

@-webkit-keyframes letterfive {100% {opacity: 0;}}
@keyframes letterfive {100% {opacity: 0;}}

@-webkit-keyframes lettersix {100% {opacity: 0;}}
@keyframes lettersix {100% {opacity: 0;}}


p.dimension1,
p.dimension2,
p.dimension3,
p.dimension4,
p.dimension5 {opacity: 0;}
```

```
p.dimension1.show,
p.dimension2.show,
p.dimension3.show,
p.dimension4.show,
p.dimension5.show {opacity: 1;}

p.dimension5.show {
-webkit-animation: fit 1s infinite;
  animation: fit 1s infinite;
}

p.dimension55.show {
-webkit-animation: fit 1s infinite;
  animation: fit 1s infinite;
}
@-webkit-keyframes fit {100% {opacity: 0;}}
@keyframes fit {100% {opacity: 0;}}



/*
----------
BELOW 1400
----------
*/
@media screen and (max-width: 1399px) {

  .overlay p {  font-size: 8px;; font-weight: bold;}


}

/*
----------
BELOW 1000
----------
*/
@media screen and (max-width: 999px) {


  .title h1 {  font-size: 8px;; font-weight: bold;}
  .overlay p {  font-size: 8px;; font-weight: bold;}


}
  body {


}

h1 {
  visibility:hidden;
}

 #title1 {
  font-size: 8px;
font-weight: bold;
color: #ffffff;
top: 73px;
left: 10px;
position: fixed;


}

#title48 {
  font-size: 8px;
font-weight: bold;
color: #ffffff;
top: 99px;
left: 350px;
position: fixed;


}


.videoView, .classifyOnClick {
  position: fixed;


   z-index: 100;
```

```
  cursor: pointer;


}

.videoView, .classifyOnClick10 {
  position: fixed;
  top: 100px;

   z-index: 100;



  cursor: pointer;


}

#liveView {

border: none;
z-index: 0;
position: fixed;
font-style: bold;
  color: #ff9853;


    min-width: 100%; min-height: 100%;
    width: auto; height: auto; z-index: 0;


    background-size: cover;

}


video {



}

video {
  border: 1px solid black;
  display: block;


border: none;
z-index: -100;
position: fixed;
font-style: bold;
  color: #ff9853;


    min-width: 100%; min-height: 100%;
    width: auto; height: auto; z-index: -100;


    background-size: cover;


}

#myCanvas2 {
  border: 1px solid black;
  display: block;


border: none;
z-index: -100;
position: fixed;
font-style: bold;
  color: #ff9853;


    min-width: 100%; min-height: 100%;
    width: auto; height: auto; z-index: -100;


    background-size: cover;
}
```

```
 #webcamButton{
z-index: 10;
position: relative;

}



 .classifyOnClick1 p {


position: fixed;
  padding: 5px;

  color: #32CD32;


  z-index: 2;


margin-left: -35%;


z-index: 0;
position: fixed;
font-style: bold;
font-size: 12px;
-webkit-animation: fit 1s infinite;
  animation: fit 1s infinite;





}

.classifyOnClick p {


z-index: 0;
position: fixed;
font-style: bold;
font-size: 20px;
  color: #ff0000;

-webkit-animation: fit 1s infinite;
  animation: fit 1s infinite;



}

.classifyOnClick10 p{

 border: 7px solid #ff0000;
z-index: 0;
position: fixed;
font-style: bold;
font-size: 20px;
  color: #ff0000;

  -webkit-animation: fit 1s infinite;
  animation: fit 1s infinite;

}

.classifyOnClick2 {


z-index: 11;
position: fixed;



}

#lefty{

top: 180px;

}

#centery{
```

```
  font-size: 8px;
font-weight: bold;
color: #ffffff;
top: 99px;
left: 20px;
position: fixed;
cursor: pointer;


}

#righty{

top: 180px;

}



.highlighter1 {
  background: rgba(0, 0, 0, 0);
  border: 10px solid #ff0000;
  z-index: 1;
  position: fixed;



  -webkit-animation: fit 1s infinite;
  animation: fit 1s infinite;
}

.highlighter {
margin-left: -35%;
 background: rgba(0, 0, 0, 0);
  border: 10px solid #32CD32;
  z-index: 1;
  position: fixed;


   -webkit-animation: fit 1s infinite;
  animation: fit 1s infinite;
}

.classifyOnClick {
  z-index: 4;
}

.classifyOnClick10 {
  z-index: 4;
}




canvas{



    zoom: 100%;


}

#endec {
right: 40px;

}


#demo{
top:90px;
left: 15px;
font-weight: bold;
  font-size: 8px;
color: #ffffff;
  position: fixed;

z-index: 4;

}



#demo4{
```

```
font-weight: bold;
  font-size: 8px;
color: #000000;
  position: fixed;

z-index: 4;

}

#demo5{

font-weight: bold;
  font-size: 8px;
color: #000000;
  position: fixed;

z-index: 4;

}

#digital-clock{
top: 110px;
left: 10px;
font-weight: bold;
  font-size: 8px;
color: #ffffff;
  position: fixed;

z-index: 4;

}

.classifyOnClick1 progress {
  width: 5%;
  height: 10px;
right: 50px;
top: 55px;
  position: fixed;
  z-index: 10;
}
.classifyOnClick1 progress.charging {
 border: 3px solid black;
right: 50px;
 position: fixed;
  z-index: 10;
}
.classifyOnClick1 progress.draining {
  border: 3px solid red;
 right: 50px;
  position: fixed;
   z-index: 10;
}



#batteryname {
right: 50px;
top: 45px;
  position: fixed;
  z-index: 10;
  font-weight: bold;
  font-size: 8px;
color: #ffffff;
  position: fixed;

z-index: 4;


}

.btn {


    display: inline-block;
    padding: 6px 6px;
    margin-bottom: 0;
     font-size: 8px;
    font-weight: normal;
    line-height: 0.72857143;
    text-align: right;
    white-space: nowrap;
    vertical-align: middle;
    cursor: pointer;
    -webkit-user-select: none;
```

```
    -moz-user-select: none;
    -ms-user-select: none;
    user-select: none;
    background-image: none;
    border: 1px solid transparent;
    border-radius: 4px;
}
.btn-success {

    color: #fff;
    background-color: #5cb85c;
    border-color: #4cae4c;
}
/* This is copied from https://github.com/blueimp/jQuery-File-Upload/blob/master/css/jquery.fileupload.css */
 .fileinput-button {
    position: fixed;
    overflow: hidden;
}
/*Also*/
 .fileinput-button input {
    position: absolute;
    top: 0;
    right: 0;
    margin: 0;
    opacity: 0;
    -ms-filter:'alpha(opacity=0)';
    font-size: 200px;
    direction: ltr;
    cursor: pointer;
}

.btn1 {


    display: inline-block;
    padding: 6px 6px;
    margin-bottom: 0;
    font-size: 8px;
    font-weight: normal;
    line-height: 0.72857143;
    text-align: right;
    white-space: nowrap;


    vertical-align: center;
    cursor: pointer;
    -webkit-user-select: none;
    -moz-user-select: none;
    -ms-user-select: none;
    user-select: none;
    background-image: none;
    border: 1px solid transparent;
    border-radius: 4px;
}
.btn-success1 {

    color: #fff;
    background-color: #5cb85c;
    border-color: #4cae4c;
}
/* This is copied from https://github.com/blueimp/jQuery-File-Upload/blob/master/css/jquery.fileupload.css */
 .fileinput-button1 {
    position: fixed;
    overflow: hidden;
}
/*Also*/
 .fileinput-button1 input {
    position: fixed;
    top: 0;
    right: 0;
    margin: 0;
    opacity: 0;
    -ms-filter:'alpha(opacity=0)';
    font-size: 200px;
    direction: ltr;
    cursor: pointer;
}
video, input {


}

input {
```

```
}

#draft{

font-weight: bold;
  font-size: 8px;
color: #000000;
  position: fixed;

z-index: 4;

}
#input{

font-weight: bold;
  font-size: 8px;
color: #000000;
  position: fixed;

z-index: 7;

}



  </style>


  <body >



  <div class="classifyOnClick1"  id="liveView" ></div>









    <style>
  #myCanvas {

pointer-events: none;
}





   .player{





    background: red;


}


#deletethislater{

margin: 10%;
margin-top: 0%;
z-index:0;
}
#liveView {






}
.back{
  transform: rotatey(0deg);
}
.flip-front{
 font-size:8px;
}
@media screen and (max-width: 768px){
  .flip-front{

  }
```

```
}

.aerial-front{
 font-size:8px;
}
@media screen and (max-width: 768px){
  .aerial-front{

  }
}

.intrudor-front{
 font-size:8px;
}
@media screen and (max-width: 768px){
  .intrudor-front{

  }
}

.stopsec-front{
 font-size:8px;
}
@media screen and (max-width: 768px){
  .stopsec-front{

  }
}
.stoppri-front{
 font-size:8px;
}
@media screen and (max-width: 768px){
  .stoppri-front{

  }
}

.stopprimary-front{
 font-size:8px;
}
@media screen and (max-width: 768px){
  .stopprimary-front{

  }
}


    </style>





     <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>

<!-- Font -->
<link href="https://fonts.googleapis.com/css?family=Inconsolata:700" rel="stylesheet">

<!-- Wrapper -->
<div class="wrapper">


    <!-- Title -->
<div class="title">
      <h1><span class="letter6">_</span></h1>
    </div>

<!-- Vision -->
<div class="vision">

<!-- Stage -->
<div class="stage"></div><!-- Overlay -->
<div class="overlay">
<p id="deletethislater" style="text-align:left";> Armaaruss 偵測 <br><br>等待模型加載，然後點擊「空中物體偵測」按鈕啟動網路攝影機。當偵測到空中物體時，程式會發出蜂鳴聲。空中物體距離您越遠，蜂鳴聲就越長。對士兵來說，這可能意味著無人機正在瞄準他們。理想情況下，士兵可以在手機上使用該應用程序，並將該設備安裝在車輛頂部或在戰壕中睡覺時安裝在自己的身上。請記住，戰鬥期間手機的無線連線應保持「關閉」狀態。在民用環境中，無線手機可以放置在屋頂上。透過網路連接，用戶可以透過 Facebook Live 從空中遠端查看現場
<br><br>
按一下“入侵者偵測”以啟動入侵者偵測系統。當偵測到入侵者時，入侵者偵測系統會發出蜂鳴聲。一旦偵測到入侵者，該應用程式還會發出「偵測到入侵者」的語音通知。該應用程式可讓您在不同位置設定手機，以便檢測入侵者何時進入該區域。它可用於清理和反叛亂行動。它對於平民在城市環境中對抗土匪和其他犯罪分子也很有用。該應用程式可以防止伏擊攻擊。手機可以放置在牆壁縫隙等不顯眼的地方。透過網路訪問，使用者可以透過 Facebook 遠端監控事件，並查看入侵者何時獲得未經授權的訪問。 </p>
<!-- Positionals -->
<div id="leftbottom" class="positionals" style="position:fixed" >



</div>
```

```
<!-- Model -->



</div>



</div>
<p  id="intru1"></p>
<p id="intru2"></p>
<p id="intru"></p>
<!-- Left -->
<div id="lefty" class="left" style="position:fixed;left:15px; top:150px" style="position:fixed"   >

</div>

<!-- Center -->
<div id = "centery" class="center">
<p>

</p>
</div>

<!-- Right -->
<div id="righty" class="right" style="position:fixed;top:150px; right: 15px;" >



</div>

</div>

</div>

</div>



   <div class="classifyOnClick" style="z-index:200">
     <canvas type="button" id="myCanvas"  style="filter:opacity(0%)"  value="click"  />
   </div>
<div class="classifyOnClick1" id="liveView"  ></div>



     <video class="player" id="webcam" autoplay ></video>



 <h2></h2>



   <div>



   </div>
  </section>


  <footer class="note">


  </footer>
 <div class="classifyOnClick2"  >



     </div>
```

```
         </div>

   <div class="classifyonClick75"style="position:absolute;z-index:200;left:0px;bottom:0px;font-size:20px" >

 <input style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" type="button" id="demo4" onClick="hideMenu()" value="□□
□□"></input>

 <input style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" type="button" id="demo5" onClick="showMenu()" value="□□
□□" ></input>



  <script>
  function hideMenu(){
   document.getElementById("flips").style.visibility = "hidden";
  document.getElementById("stopsec").style.visibility = "hidden";
   document.getElementById("webcamButtonigc").style.visibility = "hidden";
   document.getElementById("input").style.visibility = "hidden";
   document.getElementById("webcamButtongrayscale").style.visibility = "hidden";
  document.getElementById("draft").style.visibility = "hidden";
  document.getElementById("webcamButtonpri").style.visibility = "hidden";
  document.getElementById("webcamButtonstartpri").style.visibility = "hidden";


   document.getElementById("webcamButton4").style.visibility = "hidden";
 document.getElementById("webcamButton12").style.visibility = "hidden";
  document.getElementById("webcamButton10").style.visibility = "hidden";
      document.getElementById("webcamButtoniandg").style.visibility = "hidden";
        document.getElementById("webcamButtonreset").style.visibility = "hidden";
         document.getElementById("webcamButtoninvert").style.visibility = "hidden";
  document.getElementById("webcamButton9").style.visibility = "hidden";
             document.getElementById("webcamButton16").style.visibility = "hidden";
            document.getElementById("webcamButtonblack").style.visibility = "hidden";
 document.getElementById("aerial").style.visibility = "hidden";
  document.getElementById("intruddo").style.visibility = "hidden";


  }

  function showMenu(){
  document.getElementById("flips").style.visibility = "visible";
  document.getElementById("stopsec").style.visibility = "visible";
                  document.getElementById("aerial").style.visibility = "visible";
                   document.getElementById("intruddo").style.visibility = "visible";
                   document.getElementById("webcamButton9").style.visibility = "visible";
                   document.getElementById("webcamButton16").style.visibility = "visible";


  document.getElementById("webcamButtonblack").style.visibility = "visible";
     document.getElementById("webcamButton10").style.visibility = "visible";
    document.getElementById("webcamButton4").style.visibility = "visible";
 document.getElementById("webcamButton12").style.visibility = "visible";
       document.getElementById("webcamButtoniandg").style.visibility = "visible";
        document.getElementById("webcamButtonreset").style.visibility = "visible";
         document.getElementById("webcamButtoninvert").style.visibility = "visible";
          document.getElementById("webcamButtongrayscale").style.visibility = "visible";


             document.getElementById("draft").style.visibility = "visible";
```

```
            document.getElementById("input").style.visibility = "visible";
            document.getElementById("webcamButtonpri").style.visibility = "visible";
  document.getElementById("webcamButtonstartpri").style.visibility = "visible";



               document.getElementById("webcamButtonigc").style.visibility = "visible";


               document.getElementById("webcamButton").style.visibility = "visible";


  }


  function brightnessOff(){


document.getElementById("webcam").style.filter = 'brightness(0)';

  ctx.filter = 'brightness(0)';
  ctx2.filter = 'brightness(0)';
  ctx3.filter = 'brightness(0)';
}

function invert(){



document.getElementById("webcam").style.filter = 'invert(1)';



  ctx.filter = 'invert(1)';
  ctx2.filter = 'invert(1)';
  ctx3.filter = 'invert(1)';
}

function invertandgrayscale(){





document.getElementById("webcam").style.filter = ' invert(1) grayscale(1)';

  ctx.filter = ' invert(1) grayscale(1)';
  ctx2.filter = ' invert(1) grayscale(1)';
  ctx3.filter = ' invert(1) grayscale(1)';





}
      let zoomLevel = 1;

      function webcamzoom(){




  document.getElementById("webcam").style.transform = "scale(2)";
          ctx.transform = ' scale(2)';
  ctx2.transform = ' scale(2)';
  ctx3.transform = ' scale(2)';




          }

      function webcamzoomout(){




  document.getElementById("webcam").style.transform = "scale(1)";
          ctx.transform = ' scale(1)';
  ctx2.transform = ' scale(1)';
  ctx3.transform = ' scale(1)';



          }

function invertandgrayscaleandcontrast(){
```

```
document.getElementById("webcam").style.filter = ' invert(1) grayscale(1) contrast(2)';


  ctx.filter = ' invert(1) grayscale(1) contrast(2)';
  ctx2.filter = ' invert(1) grayscale(1) contrast(2)';
   ctx3.filter = ' invert(1) grayscale(1) contrast(2)';
}


function grayscale(){



 document.getElementById("webcam").style.filter = ' grayscale(1)';



  ctx.filter = ' grayscale(1)';
  ctx2.filter = ' grayscale(1)';
  ctx3.filter = ' grayscale(1)';
}

function Reset(){



document.getElementById("webcam").style.filter = ' none';

ctx.filter = 'none';
ctx2.filter = 'none';
ctx3.filter = 'none';

}

function enableSecdet(){

document.getElementById("myCanvas").style.pointerEvents = "visible";
document.getElementById("demo").innerHTML = "□□□□□□□□□□";

}


  </script>

      <script>

          var beep = (function () {

var ctxClass = window.audioContext ||window.AudioContext || window.AudioContext || window.webkitAudioContext

var ctxs = new ctxClass();

return function (duration, type, finishedCallback) {


duration = +duration;

type = (type % 5) || 0;


if (typeof finishedCallback != "function") {

finishedCallback = function () {};

}


var osc = ctxs.createOscillator();


osc.type = type;
```

```
osc.connect(ctxs.destination);

if (osc.noteOn) osc.noteOn(0);

if (osc.start) osc.start();


setTimeout(function () {

if (osc.noteOff) osc.noteOff(0);

if (osc.stop) osc.stop();

finishedCallback();

}, duration);


};

})();


          </script>




<div id="draft" style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" class="btn btn-success fileinput-button" ><span>□□
□□□□□□□□□□□□□□</span><input onclick="this.value = null" type="file" id="drafty" onchange="previewFiles(this);"□□=“□□/m4v”/>
</div>



<button id="webcamButton12" style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" class="stoppri-front" >□□□
□</button>

<button id="webcamButtonpri" style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" class="stopprimary-front" >□□□□□
</button>

<button id="webcamButtonstartpri" style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" class="startprimary-front" >□□□
□□</button>
<script>


   var srat;
 var nosrat;
 const input4 = document.getElementById('drafty');
const videotest = document.getElementById('webcam');


const videoSource = document.createElement('source');
const button1 = document.getElementById('webcamButton12');
var c = document.getElementById("myCanvas");

var ctx2 = c.getContext("2d");



c.width = videotest.clientWidth;
c.height = videotest.clientheight;

var srat = setInterval(function (){

ctx2.drawImage(videotest, 0, 0, videotest.clientWidth, videotest.clientHeight)
}, 0);

input4.addEventListener('change', function() {
  const files = this.files || [];

  if (!files.length) return;


  const reader = new FileReader();

  reader.onload = function (e) {


 document.getElementById("demo").innerHTML= "□□□□□□□";
  document.getElementById("intru1").innerHTML = " ";
```

```
 document.getElementById("intru2").innerHTML = " "; document.getElementById("deletethislater").innerHTML= " ";
  document.getElementById("divy5").style.top = "10000000px";
 clearInterval(myInterval);
 clearInterval(myInterval2);
 video1.srcObject = null;
 video2.srcObject = null;



   videoSource.setAttribute('src', e.target.result);
   videotest.appendChild(videoSource);



   videotest.removeEventListener("loadeddata", intruder);
   videotest.addEventListener("loadeddata", aerialobject);




    document.querySelector('.player').addEventListener('ended', function () {


  videotest.load();
  stop();
  videotest.addEventListener("loadeddata", aerialobject);




})

var stopprimary = document.querySelector('.stopprimary-front');

document.querySelector('.stopprimary-front').addEventListener('click', function () {

document.querySelector('.player').addEventListener('ended', function () {


  videotest.load();
  stop();
  videotest.removeEventListener("loadeddata", aerialobject);
  videotest.removeEventListener("loadeddata", intruder);



})


 document.getElementById("demo").innerHTML= " ";
  videotest.removeEventListener("loadeddata", aerialobject);
  videotest.addEventListener("loadeddata", predictWebcam1);
  videotest.load();
  videotest.play();
  stop(); });


  var startprimary = document.querySelector('.startprimary-front');

document.querySelector('.startprimary-front').addEventListener('click', function () {

document.querySelector('.player').addEventListener('ended', function () {


  videotest.load();
  stop();
  videotest.addEventListener("loadeddata", aerialobject);




})


document.getElementById("demo").innerHTML= "□□□□□□□";
  videotest.addEventListener("loadeddata", aerialobject);


  videotest.load();
  videotest.play();
  stop(); });
```

```
var stoppri1 = document.querySelector('.stoppri-front');

document.querySelector('.stoppri-front').addEventListener('click', function () {


 document.getElementById("demo").innerHTML= "Видалення відео...";

   videotest.removeEventListener("loadeddata", aerialobject);


   videotest.load();
   videotest.play();
   stop();


  setTimeout(function(){
 document.getElementById("intru1").innerHTML = " ";


  document.getElementById("intru2").innerHTML = " ";
 airhelpp.loop = false;
song1air.loop = false;
  document.getElementById("demo").innerHTML= " ";
document.getElementById("demo").innerHTML= " ";
   document.getElementById("myCanvas").style.pointerEvents = "none";
   clearInterval(myInterval2);

  var nosrat = clearInterval(srat);


   videotest.load();


   videotest.srcObject = null;
   videotest.removeAttribute('src');
   videotest.removeChild(videoSource);



e.target.value = "";



  }, 3000);




})






     const imageContainers3 = document.getElementsByClassName('classifyOnClick');

// Now let's go through all of these and add a click event listener.
for (let i = 0; i < imageContainers3.length; i++) {
  // Add event listener to the child element whichis the img element.
  imageContainers3[i].children[0].removeEventListener('click', begin1);
  imageContainers3[i].children[0].removeEventListener('click', begin2);
 imageContainers3[i].children[0].addEventListener('click', begin2);
}
stopsec.onclick = function(){
 clearInterval(myInterval2);
 document.getElementById("demo").innerHTML = " ";



}


  };


  reader.onprogress = function (e) {
    console.log('progress: ', Math.round((e.loaded * 100) / e.total));
  };



  reader.readAsDataURL(files[0]);
});
```

```
  </script>
<div id="divy5" class="classifyOnClick" style="position:fixed;z-index:1;left:0px;top:0px;bottom:0px;" >
<canvas id="myCanvas1" width=1300 height=1300 />
</div>
<div id="input" style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" class="btn btn-success fileinput-button">
<span>□□□□□□□□□□□□□□□</span>


<input id="inputs" onclick="this.value = null" type="file" name="file"></input>

</div>

<button class="removeimage" style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" id="webcamButton4"
onClick="delete()">□□□□</button>


 <script>
 var input6 = document.getElementById('inputs')


const c3 = document.getElementById("myCanvas1");

ctx3 = c3.getContext("2d");


var intervo1s;
var intervo1sclear;


input6.onchange=function(event) {

document.getElementById("intru1").innerHTML = " ";


  document.getElementById("intru2").innerHTML = " ";
document.getElementById("deletethislater").innerHTML= " ";
clearInterval(myInterval);
  clearInterval(myInterval2);
  video1.srcObject = null;
  video2.srcObject = null;



    var img = new Image()
    img.onload = function() {


  document.getElementById("divy5").style.top = "0px";
  document.getElementById("demo").innerHTML = " ";
   c3.width = "1300";
        c3.height = "900";







var intervo1s = setInterval(function(){
  ctx3.drawImage(img, 0, 0, 1300, 900)}, 0);



    const imageContainers4 = document.getElementsByClassName('classifyOnClick');
 for (let i = 0; i < imageContainers4.length; i++) {
  // Add event listener to the child element whichis the img element.
  imageContainers4[i].children[0].removeEventListener('click', begin1);
  imageContainers4[i].children[0].removeEventListener('click', begin2);
 imageContainers4[i].children[0].addEventListener('click', begin2);
}


stopsec.onclick = function(){

 clearInterval(myInterval2);
 document.getElementById("demo").innerHTML = " ";






}
```

```
function clearint(){
clearInterval(intervo1s);
}

 document.getElementById("webcamButton4").addEventListener('click', clearint);
//when the button is clicked


$('.removeimage').click(function () {
get2Video(el);
document.getElementById("intru1").innerHTML = " ";


  document.getElementById("intru2").innerHTML = " ";
  //stop the interval
  var intervo1sclear = clearInterval(intervo1s);


  c3.width = "0";
        c3.height = "0";


 ctx3.clear();
 airhelpp.loop = false;
song1air.loop = false;



});











        URL.revokeObjectURL(this.src)
    }
    img.src = URL.createObjectURL(this.files[0])


}





function delet(){
 document.getElementById("demo").innerHTML = " ";
c3.width = c3.width;
ctx3.clear();
var intervo1sclear = clearInterval(intervo1s);
 airhelpp.loop = false;
song1air.loop = false;
document.getElementById("intru1").innerHTML = " ";


  document.getElementById("intru2").innerHTML = " ";



    }
 </script>
```

```
  <p id=demo> </p>

<button id="flips" style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" class="flip-front">□□□□</button>

<button id="stopsec" style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" class="stopsec-front">□□□□□□</button>

<button id="aerial" style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" class="aerial-front">□□□□□□□□</button>

<button id="intruddo" style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" class="intrudor-front">□□□□□□□</button>

<button style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" id="webcamButton10" onClick="enableSecdet()" >□□□□□□
</button>

<input style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" type="button" id="webcamButton9" value="□□□□□□"></input
>

<input style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" type="button" id="webcamButton16" value= "□□□□□□"
</input>

 <input style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" type="button" id="webcamButtonzoom"
onClick="webcamzoom()" value= "□□□"</input>

<input style= "position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" type="button" id="webcamButtonzoom1"
onClick="webcamzoomout()" value="□□□□"</input>

<input style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" type="button" id="webcamButtongrayscale"
onClick="grayscale()" value="□□□□"</input>

<input style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" type="button" id="webcamButtoninvert" onClick="invert()"
value="□□/□□"></input>

<input style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" type="button" id="webcamButtonreset" onClick="Reset()"
value="□□□□"></input>

<input style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px;" type="button" id="webcamButtoniandg"
onClick="invertandgrayscale()" value="□□□□□"></input>

<input style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" type="button" id="webcamButtonigc"
onClick="invertandgrayscaleandcontrast()" value="□□□□□□□□"></input>

<input style="position:relative;z-index:200;left:0px;bottom:0px;font-size:5px" type="button" id="webcamButtonblack"
onClick="brightnessOff()" value="□□"></input>

</div>

    <!-- Import TensorFlow.js library -->
    <script src="https://cdn.jsdelivr.net/npm/@tensorflow/tfjs@2.0.0/dist/tf.min.js" type="text/javascript"></script>

    <!-- Load the coco-ssd model to use to recognize things in images -->
    <script src="https://cdn.jsdelivr.net/npm/@tensorflow-models/coco-ssd"></script>

    <!-- Import the page's JavaScript to do some stuff -->
    <script src="/script.js" defer></script>
```

```
    <script>
    /**
 * @license
 * Copyright 2018 Google LLC. All Rights Reserved.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 * =============================================================================
 */

/********************************************************************
 * Demo created by Jason Mayes 2020.
 *
 * Got questions? Reach out to me on social:
 * Twitter: @jason_mayes
 * LinkedIn: https://www.linkedin.com/in/creativetech
 ********************************************************************/

const demosSection = document.getElementById('demos');

var model = undefined;

// Before we can use COCO-SSD class we must wait for it to finish
// loading. Machine Learning models can be large and take a moment to
// get everything needed to run.
cocoSsd.load().then(function (loadedModel) {
  model = loadedModel;
  // Show demo section now model is ready to use.
  demosSection.classList.remove('invisible');
});


/********************************************************************
// Demo 1: Grab a bunch of images from the page and classify them
// upon click.
********************************************************************/

// In this demo, we have put all our clickable images in divs with the
// CSS class 'classifyOnClick'. Lets get all the elements that have
// this class.
const imageContainers = document.getElementsByClassName('classifyOnClick');

// Now let's go through all of these and add a click event listener.
for (let i = 0; i < imageContainers.length; i++) {
  // Add event listener to the child element whichis the img element.
  imageContainers[i].children[0].removeEventListener('click', begin1);
  imageContainers[i].children[0].removeEventListener('click', begin2);
}

// When an image is clicked, let's classify it and display results!



/********************************************************************
// Demo 2: Continuously grab image from webcam stream and classify it.
// Note: You must access the demo on https for this to work:
// https://tensorflow-js-image-classification.glitch.me/
********************************************************************/

const video = document.getElementById('webcam');
const liveView = document.getElementById('liveView');

// Check if webcam access is supported.
function hasGetUserMedia() {
  return !!(navigator.mediaDevices &&
    navigator.mediaDevices.getUserMedia);
}

// Keep a reference of all the child elements we create
// so we can remove them easilly on each render.
var children = [];


// If webcam supported, add event listener to button for when user
// wants to activate it.
```

```
const ce = document.getElementById("myCanvas");

const ctx = ce.getContext("2d");

var img = new Image();
img.onload = function(){
   ce.width = video1.clientWidth;
     ce.height = video1.clientHeight;
    ctx.filter = 'brightness(1)';


   ctx.drawImage(img, 0,0);
   setInterval(function(){
   ctx.drawImage(video1, 0,0, video1.clientWidth, video1.clientHeight)}, 1);
      };
  img.crossOrigin = "Anonymous";
  img.src = "https://cdn.glitch.com/74418d0b-3465-49a2-8c71-a721b7734473%2Fcats_flickr_publicdomain.jpg?v=1579294753947";


var video1 = document.getElementById("webcam");
var liveView1 = document.getElementById("liveView");

var el = true;
var flipFront = document.querySelector(".flip-front");
var aerial = document.querySelector(".aerial-front");
var intrudor = document.querySelector(".intrudor-front");
var stopsec = document.querySelector(".stopsec-front");

function get1Video(el){

  navigator.mediaDevices.getUserMedia({
    video: {

            facingMode: el?'user':'environment'
},
    audio: false
  }).then(d=>{
 (el===false)?video1.classList.add("back"):video1.classList.remove("back");


 document.getElementById("intru1").innerHTML = " ";


  document.getElementById("intru2").innerHTML = " ";
 document.getElementById("deletethislater").innerHTML= " ";
 document.getElementById("divy5").style.top = "10000000px";
clearInterval(myInterval2);
document.getElementById("demo").innerHTML= "□□□□□□□ <br><br>□□□□□";
    video1.srcObject = d;
    video1.play();
    video1.addEventListener("loadeddata", intruder);
     video1.removeEventListener("loadeddata", aerialobject);
 const imageContainers = document.getElementsByClassName('classifyOnClick');

// Now let's go through all of these and add a click event listener.
for (let i = 0; i < imageContainers.length; i++) {
  // Add event listener to the child element whichis the img element.
  imageContainers[i].children[0].addEventListener('click', begin1);
  imageContainers[i].children[0].removeEventListener('click', begin2);


}









    })


  .catch(err=>{
  var msg = 'Either your video cam is missing OR not working properly. Please check.';
  (err.name==='NotFoundError')?alert('Error name: '+err.name+'\nError msg: '+msg):alert('Error name: '+err.name+'\nError msg:
'+err.message);
  });


 var stopprimary = document.querySelector('.stopprimary-front');

document.querySelector('.stopprimary-front').addEventListener('click', function () {
```

```
 document.getElementById("demo").innerHTML= " ";
   video1.removeEventListener("loadeddata", aerialobject);
   video1.removeEventListener("loadeddata", intruder);
   video1.addEventListener("loadeddata", predictWebcam1);
   video1.load();
   video1.play();
    });


   var startprimary = document.querySelector('.startprimary-front');

document.querySelector('.startprimary-front').addEventListener('click', function () {


document.getElementById("demo").innerHTML= "□□□□□□□ <br><br>□□□□□";
 video1.removeEventListener("loadeddata", aerialobject);
 video1.removeEventListener("loadeddata", predictWebcam1);
   video1.addEventListener("loadeddata", intruder);


   video1.load();
   video1.play();
    });




   flipFront.onclick = function(){
el=!el;
  stop();
  get1Video(el);





}

intrudor.onclick = function(){



  get1Video(el);









}

aerial.onclick = function(){



  get2Video(el);






}

stopsec.onclick = function(){
 clearInterval(myInterval);
 document.getElementById("demo").innerHTML = " ";
  get1Video(el);





}





var stop = () => video1.srcObject && video1.srcObject.getTracks().map(t => t.stop());
```

```
}

intrudor.onclick = function(){



  get1Video(el);







}

var helpp;
var song1;

var helpp = new Audio('https://www.soundjay.com/buttons/sounds/beep-01a.mp3');



var song1 = new Audio('https://dl.dropboxusercontent.com/scl/fi/g5awzijhjeivbt0945noc/p_33786465_4.mp3?
rlkey=jc60eqxve5mq0l438k1eeudr7&st=lukbmpfl&.mp3dl=0');


function enhancedintruder (event) {
document.getElementById("intru1").innerHTML = " ";


  document.getElementById("intru2").innerHTML = " ";

 helpp.loop = false;
song1.loop = false;


   model.detect(event.target).then(function (predictions) {
    // Lets write the predictions to a new paragraph element and
    // add it to the DOM.



    for (let n = 0; n < predictions.length; n++) {




if ( predictions[n].class == "person") {

predictions[n].class = "□□□□□□"

document.getElementById("intru1").innerHTML = "□□□□□□";


helpp.play();
helpp.loop = true;




song1.play();
song1.loop = true;

beep(1000, 2, function () {


    });




      // Description text


      const p = document.createElement('p');
      p.innerText = predictions[n].class  + '  '
            + ""
            + '';
```

```
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + predictions[n].bbox[2] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
      highlighter.setAttribute('class', 'highlighter1');
    highlighter.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px;' +
          'width: ' + predictions[n].bbox[2] + 'px;' +
          'height: ' + predictions[n].bbox[3] + 'px;';
         p.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[2] - 5) + 'px;';




setInterval(function(){
  event.target.parentNode.removeChild(highlighter);
 event.target.parentNode.removeChild(p);


},9);

     if (event.target.parentNode.appendChild(highlighter)){


    setTimeout(() => {
     setInterval(function(){


  event.target.parentNode.removeChild(highlighter);
  event.target.parentNode.removeChild(p);




},9);
 event.target.parentNode.appendChild(p);
  imageContainers[i].addEventListener('load', handleClick);
},9);


      }




      if (event.target.parentNode.appendChild(p)){
      setTimeout(() => {
 event.target.parentNode.removeChild(p);



}, 9); }

 if (event.target.parentNode.removeChild(p)){
      setTimeout(() => {
      document.getElementById("intru1").innerHTML = "";

 event.target.parentNode.removeChild(p);



}, 3); }






      event.target.parentNode.appendChild(p1);
     event.target.parentNode.appendChild(p);
     event.target.parentNode.appendChild(highlighter);
```

```
      children.push.appendChild(highlighter);
      children.push.appendChild(p);
    }
    }



  window.requestAnimationFrame(enhancedintruder);

  });
}

var helpp;
var song1;

var helpp = new Audio('https://www.soundjay.com/buttons/sounds/beep-01a.mp3');

var song1 = new Audio('https://dl.dropboxusercontent.com/scl/fi/g5awzijhjeivbt0945noc/p_33786465_4.mp3?
rlkey=jc60eqxve5mq0l438k1eeudr7&st=lukbmpfl&.mp3dl=0');

function intruder() {
document.getElementById("intru1").innerHTML = " ";


  document.getElementById("intru2").innerHTML = " ";



  helpp.loop = false;
song1.loop = false;


model.detect(video).then(function (predictions) {

for (let i = 0; i < children.length; i++) {


liveView.removeChild(children[i]);


}

children.splice(0);


for (let n = 0; n < predictions.length; n++) {



if ( predictions[n].class == "person") {


predictions[n].class = "□□□□□□"

document.getElementById("intru1").innerHTML = "□□□□□□";


helpp.play();
helpp.loop = true;




song1.play();
song1.loop = true;

beep(1000, 2, function () {


    });
```

```
    const p = document.createElement('p');
        p.innerText = predictions[n].class  + '  '
            + ""
            + '';
        // Draw in top left of bounding box outline.
        p.style = 'left: ' + (predictions[n].bbox[0] + 100) + 'px;' +
            'top: ' + predictions[n].bbox[1] + 'px;' +
            'width: ' + + (predictions[n].bbox[2] + 230) + 'px;';

        // Draw the actual bounding box.
        const highlighter1 = document.createElement('div');
        highlighter1.setAttribute('class', 'highlighter');
        highlighter1.style = 'left: ' + (predictions[n].bbox[0] + 100) + 'px; top: '
            + predictions[n].bbox[1] + 'px; width: '


            + (predictions[n].bbox[2] + 240) + 'px; height: '
             + (predictions[n].bbox[3] + 210) + 'px;';




liveView.appendChild(highlighter1);

liveView.appendChild(p);



children.push(highlighter1);

children.push(p);


}

else{

}

}

window.requestAnimationFrame(intruder);

});

}
var myInterval;
function begin1(event){

myInterval = setInterval(function () {

  enhancedintruder(event)}, 6);
 document.getElementById("demo").innerHTML = "□□□□□□";


//when the button is clicked


$('button').click(function () {

  //stop the interval
  clearInterval(myInterval);



});

}


var video2 = document.getElementById("webcam");
var liveView2 = document.getElementById("liveView");

var el = true;
var flipFront = document.querySelector(".flip-front");
var aerial = document.querySelector(".aerial-front");
var intrudor = document.querySelector(".intrudor-front");

function get2Video(el){
```

```
  navigator.mediaDevices.getUserMedia({
    video: {

            facingMode: el?'user':'environment'
},
    audio: false
  }).then(d=>{
 (el===false)?video2.classList.add("back"):video2.classList.remove("back");
 document.getElementById("intru1").innerHTML = " ";


  document.getElementById("intru2").innerHTML = " ";
 document.getElementById("deletethislater").innerHTML= " ";
  document.getElementById("divy5").style.top = "10000000px";
clearInterval(myInterval);
document.getElementById("demo").innerHTML= "□□□□□□□<br><br>□□□□□□";
    video2.srcObject = d;
    video2.play();
    video2.addEventListener("loadeddata", aerialobject);
    video2.removeEventListener("loadeddata", intruder);
     const imageContainers2 = document.getElementsByClassName('classifyOnClick');

// Now let's go through all of these and add a click event listener.
for (let i = 0; i < imageContainers2.length; i++) {
  // Add event listener to the child element whichis the img element.
   imageContainers2[i].children[0].removeEventListener('click', begin1);
  imageContainers2[i].children[0].addEventListener('click', begin2);


}










    })


  .catch(err=>{
  var msg = 'Either your video cam is missing OR not working properly. Please check.';
  (err.name==='NotFoundError')?alert('Error name: '+err.name+'\nError msg: '+msg):alert('Error name: '+err.name+'\nError msg:
'+err.message);
  });



 var stopprimary = document.querySelector('.stopprimary-front');

document.querySelector('.stopprimary-front').addEventListener('click', function () {


 document.getElementById("demo").innerHTML= " ";
   video2.removeEventListener("loadeddata", aerialobject);
   video2.removeEventListener("loadeddata", intruder);
   video2.addEventListener("loadeddata", predictWebcam1);
   video2.load();
   video2.play();
    });


   var startprimary = document.querySelector('.startprimary-front');

document.querySelector('.startprimary-front').addEventListener('click', function () {


document.getElementById("demo").innerHTML= "□□□□□□□<br><br>□□□□□□";
 video2.removeEventListener("loadeddata", intruder);
 video2.removeEventListener("loadeddata", predictWebcam1);
   video2.addEventListener("loadeddata", aerialobject);


   video2.load();
   video2.play();
    });

   flipFront.onclick = function(){
el=!el;
  stop();
  get2Video(el);
```

```
}

intrudor.onclick = function(){


  get1Video(el);







}

aerial.onclick = function(){


  get2Video(el);




}

stopsec.onclick = function(){
 clearInterval(myInterval2);
 document.getElementById("demo").innerHTML = " ";
  get2Video(el);




}



var stop = () => video2.srcObject && video2.srcObject.getTracks().map(t => t.stop());


}

aerial.onclick = function(){




  get2Video(el);








}


var airhelpp;
var song1air;

  var airhelpp =  new Audio('https://www.soundjay.com/buttons/sounds/beep-01a.mp3');


var song1air = new Audio('https://dl.dropboxusercontent.com/scl/fi/h45lsmvwwnsuyodvytdeb/p_33786561_68.mp3?
rlkey=m52rfjkgooui5zohxfkyh1pjk&st=sae51txk&.mp3dl=0');

function aerialobject() {
document.getElementById("intru1").innerHTML = " ";
```

```
  document.getElementById("intru2").innerHTML = " ";

airhelpp.loop = false;
song1air.loop = false;


model.detect(video).then(function (predictions) {

for (let i = 0; i < children.length; i++) {

liveView.removeChild(children[i]);

}

children.splice(0);




for (let n = 0; n < predictions.length; n++) {
      // If we are over 66% sure we are sure we classified it right, draw it!



if ( predictions[n].class == "bird") {

predictions[n].class = "□□□□□□□"
document.getElementById("intru2").innerHTML = "□□□□□□□";

airhelpp.play();
airhelpp.loop = true;

song1air.play();
song1air.loop = true;
beep(1000, 2, function () {


    });



  const p = document.createElement('p');
      p.innerText = predictions[n].class  + '  '
            + ""
            + '';
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + (predictions[n].bbox[0] + 600) + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
      highlighter.setAttribute('class', 'highlighter');
    highlighter.style = 'left: ' + (predictions[n].bbox[0] + 600) + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px;' +
          'width: ' + predictions[n].bbox[2] + 'px;' +
          'height: ' + predictions[n].bbox[3] + 'px;';




liveView.appendChild(highlighter);

liveView.appendChild(p);

children.push(highlighter);

children.push(p);


}

else{

}


if ( predictions[n].class == "kite") {

predictions[n].class = "□□□□□□□"
```

```
document.getElementById("intru2").innerHTML = "□□□□□□□";

airhelpp.play();
airhelpp.loop = true;

song1air.play();
song1air.loop = true;

beep(1000, 2, function () {


    });



  const p = document.createElement('p');
      p.innerText = predictions[n].class  + '  '
            + ""
            + '';
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + (predictions[n].bbox[0] + 600) + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
      highlighter.setAttribute('class', 'highlighter');
    highlighter.style = 'left: ' + (predictions[n].bbox[0] + 600) + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px;' +
          'width: ' + predictions[n].bbox[2] + 'px;' +
          'height: ' + predictions[n].bbox[3] + 'px;';



liveView.appendChild(highlighter);

liveView.appendChild(p);

children.push(highlighter);

children.push(p);


}

else{

}






if ( predictions[n].class == "frisbee") {

predictions[n].class = "□□□□□□□"
document.getElementById("intru2").innerHTML = "□□□□□□□";

airhelpp.play();
airhelpp.loop = true;

song1air.play();
song1air.loop = true;

beep(1000, 2, function () {


    });



  const p = document.createElement('p');
      p.innerText = predictions[n].class  + '  '
            + ""
            + '';
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + (predictions[n].bbox[0] + 600) + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
```

```
      highlighter.setAttribute('class', 'highlighter');
    highlighter.style = 'left: ' + (predictions[n].bbox[0] + 600) + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px;' +
          'width: ' + predictions[n].bbox[2] + 'px;' +
          'height: ' + predictions[n].bbox[3] + 'px;';




liveView.appendChild(highlighter);

liveView.appendChild(p);

children.push(highlighter);

children.push(p);


}

else{

}

if ( predictions[n].class == "kite") {

predictions[n].class = "□□□□□□□"
document.getElementById("intru2").innerHTML = "□□□□□□□";

airhelpp.play();
airhelpp.loop = true;

song1air.play();
song1air.loop = true;

beep(1000, 2, function () {


    });

   const p = document.createElement('p');
      p.innerText = predictions[n].class  + '  '
            + ""
            + '';
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + (predictions[n].bbox[0] + 600) + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
      highlighter.setAttribute('class', 'highlighter');
    highlighter.style = 'left: ' + (predictions[n].bbox[0] + 600) + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px;' +
          'width: ' + predictions[n].bbox[2] + 'px;' +
          'height: ' + predictions[n].bbox[3] + 'px;';




liveView.appendChild(highlighter);

liveView.appendChild(p);

children.push(highlighter);

children.push(p);


}

else{

}


if ( predictions[n].class == "traffic light") {

predictions[n].class = "□□□□□□□"
document.getElementById("intru2").innerHTML = "□□□□□□□";
```

```
airhelpp.play();
airhelpp.loop = true;

song1air.play();
song1air.loop = true;

beep(1000, 2, function () {


    });

   const p = document.createElement('p');
      p.innerText = predictions[n].class  + '  '
            + ""
            + '';
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + (predictions[n].bbox[0] + 600) + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
      highlighter.setAttribute('class', 'highlighter');
    highlighter.style = 'left: ' + (predictions[n].bbox[0] + 600) + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px;' +
          'width: ' + predictions[n].bbox[2] + 'px;' +
          'height: ' + predictions[n].bbox[3] + 'px;';





liveView.appendChild(highlighter);

liveView.appendChild(p);

children.push(highlighter);

children.push(p);


}

else{

}

if ( predictions[n].class == "airplane") {

predictions[n].class = "□□□□□□□"
document.getElementById("intru2").innerHTML = "□□□□□□□";

airhelpp.play();
airhelpp.loop = true;

song1air.play();
song1air.loop = true;


beep(1000, 2, function () {


    });




    const p = document.createElement('p');
      p.innerText = predictions[n].class  + '  '
            + ""
            + '';
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + (predictions[n].bbox[0] + 600) + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
      highlighter.setAttribute('class', 'highlighter');
    highlighter.style = 'left: ' + (predictions[n].bbox[0] + 600) + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px;' +
          'width: ' + predictions[n].bbox[2] + 'px;' +
          'height: ' + predictions[n].bbox[3] + 'px;';
```

```
liveView.appendChild(highlighter);

liveView.appendChild(p);

children.push(highlighter);

children.push(p);


}

else{

}

}

window.requestAnimationFrame(aerialobject);

});

}

var airhelpp;
var song1air;

  var airhelpp =  new Audio('https://www.soundjay.com/buttons/sounds/beep-01a.mp3');

var song1air = new Audio('https://dl.dropboxusercontent.com/scl/fi/h45lsmvwwnsuyodvytdeb/p_33786561_68.mp3?rlkey=m52rfjkgooui5zohxfkyh1pjk&st=sae51txk&.mp3dl=0');




  function enhancedaerial (event){
  document.getElementById("intru1").innerHTML = " ";


  document.getElementById("intru2").innerHTML = " ";
 airhelpp.loop = false;
song1air.loop = false;


  model.detect(event.target).then(function (predictions) {
    // Lets write the predictions to a new paragraph element and
    // add it to the DOM.



    for (let n = 0; n < predictions.length; n++) {



     if ( predictions[n].class == "kite") {

predictions[n].class = "□□□□□□□"
document.getElementById("intru2").innerHTML = "□□□□□□□";

airhelpp.play();
airhelpp.loop = true;

song1air.play();
song1air.loop = true;

         beep(1000, 2, function () {


    });

 const p = document.createElement('p');
     p.innerText = predictions[n].class  + '  '
            + ""
            + '';
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + predictions[n].bbox[2] + 'px;' +
```

```
         'top: ' + predictions[n].bbox[1] + 'px; ' +
         'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
      highlighter.setAttribute('class', 'highlighter1');
    highlighter.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
         'top: ' + predictions[n].bbox[1] + 'px;' +
         'width: ' + predictions[n].bbox[2] + 'px;' +
         'height: ' + predictions[n].bbox[3] + 'px;';
        p.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
         'top: ' + predictions[n].bbox[1] + 'px; ' +
         'width: ' + (predictions[n].bbox[2] - 5) + 'px;';



setInterval(function(){
  event.target.parentNode.removeChild(highlighter);
 event.target.parentNode.removeChild(p);


},9);

     if (event.target.parentNode.appendChild(highlighter)){


    setTimeout(() => {
     setInterval(function(){


  event.target.parentNode.removeChild(highlighter);
  event.target.parentNode.removeChild(p);



},9);
 event.target.parentNode.appendChild(p);
  imageContainers[i].addEventListener('load', handleClick);
},9);


      }



      if (event.target.parentNode.appendChild(p)){
      setTimeout(() => {
 event.target.parentNode.removeChild(p);
  imageContainers[i].addEventListener('load', handleClick);


}, 9); }

 if (event.target.parentNode.removeChild(p)){
      setTimeout(() => {
      document.getElementById("intru1").innerHTML = "";

 event.target.parentNode.removeChild(p);
  imageContainers[i].addEventListener('load', handleClick);


}, 3); }



      event.target.parentNode.appendChild(p1);
     event.target.parentNode.appendChild(p);
     event.target.parentNode.appendChild(highlighter);
```

```
      children.push.appendChild(highlighter);
      children.push.appendChild(p);
    }


    if ( predictions[n].class == "frisbee") {

predictions[n].class = "□□□□□□□"
document.getElementById("intru2").innerHTML = "□□□□□□□";

airhelpp.play();
airhelpp.loop = true;

song1air.play();
song1air.loop = true;

beep(1000, 2, function () {


    });
 const p = document.createElement('p');
      p.innerText = predictions[n].class  + '  '
            + ""
            + '';
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + predictions[n].bbox[2] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
      highlighter.setAttribute('class', 'highlighter1');
    highlighter.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px;' +
          'width: ' + predictions[n].bbox[2] + 'px;' +
          'height: ' + predictions[n].bbox[3] + 'px;';
         p.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[2] - 5) + 'px;';



setInterval(function(){
  event.target.parentNode.removeChild(highlighter);
 event.target.parentNode.removeChild(p);



},9);

     if (event.target.parentNode.appendChild(highlighter)){


    setTimeout(() => {
     setInterval(function(){


  event.target.parentNode.removeChild(highlighter);
  event.target.parentNode.removeChild(p);





},9);
 event.target.parentNode.appendChild(p);
  imageContainers[i].addEventListener('load', handleClick);
},9);



      }





      if (event.target.parentNode.appendChild(p)){
      setTimeout(() => {
```

```
 event.target.parentNode.removeChild(p);
  imageContainers[i].addEventListener('load', handleClick);


}, 9); }

 if (event.target.parentNode.removeChild(p)){
      setTimeout(() => {
      document.getElementById("intru1").innerHTML = "";

 event.target.parentNode.removeChild(p);
  imageContainers[i].addEventListener('load', handleClick);


}, 3); }



      event.target.parentNode.appendChild(p1);
     event.target.parentNode.appendChild(p);
     event.target.parentNode.appendChild(highlighter);



      children.push.appendChild(highlighter);
      children.push.appendChild(p);
    }



     if ( predictions[n].class == "airplane") {

predictions[n].class = "□□□□□□□"
document.getElementById("intru2").innerHTML = "□□□□□□□";

airhelpp.play();
airhelpp.loop = true;

song1air.play();
song1air.loop = true;

         beep(1000, 2, function () {


    });

 const p = document.createElement('p');
     p.innerText = predictions[n].class  + '  '
            + ""
            + '';
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + predictions[n].bbox[2] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
      highlighter.setAttribute('class', 'highlighter1');
    highlighter.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px;' +
          'width: ' + predictions[n].bbox[2] + 'px;' +
          'height: ' + predictions[n].bbox[3] + 'px;';
         p.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[2] - 5) + 'px;';



setInterval(function(){
  event.target.parentNode.removeChild(highlighter);
```

```
 event.target.parentNode.removeChild(p);


},9);

     if (event.target.parentNode.appendChild(highlighter)){

    setTimeout(() => {
     setInterval(function(){

  event.target.parentNode.removeChild(highlighter);
  event.target.parentNode.removeChild(p);



},9);
 event.target.parentNode.appendChild(p);
  imageContainers[i].addEventListener('load', handleClick);
},9);


      }



      if (event.target.parentNode.appendChild(p)){
      setTimeout(() => {
 event.target.parentNode.removeChild(p);
  imageContainers[i].addEventListener('load', handleClick);


}, 9); }

 if (event.target.parentNode.removeChild(p)){
      setTimeout(() => {
      document.getElementById("intru1").innerHTML = "";

 event.target.parentNode.removeChild(p);
  imageContainers[i].addEventListener('load', handleClick);


}, 3); }



      event.target.parentNode.appendChild(p1);
     event.target.parentNode.appendChild(p);
     event.target.parentNode.appendChild(highlighter);



      children.push.appendChild(highlighter);
      children.push.appendChild(p);
    }

             if ( predictions[n].class == "traffic light") {

predictions[n].class = "□□□□□□□"
document.getElementById("intru2").innerHTML = "□□□□□□□";

airhelpp.play();
airhelpp.loop = true;

song1air.play();
song1air.loop = true;
```

```
        beep(1000, 2, function () {


    });

 const p = document.createElement('p');
     p.innerText = predictions[n].class  + '  '
            + ""
            + '';
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + predictions[n].bbox[2] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
      highlighter.setAttribute('class', 'highlighter1');
    highlighter.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px;' +
          'width: ' + predictions[n].bbox[2] + 'px;' +
          'height: ' + predictions[n].bbox[3] + 'px;';
         p.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[2] - 5) + 'px;';




setInterval(function(){
  event.target.parentNode.removeChild(highlighter);
 event.target.parentNode.removeChild(p);



},9);

     if (event.target.parentNode.appendChild(highlighter)){


    setTimeout(() => {
     setInterval(function(){


  event.target.parentNode.removeChild(highlighter);
  event.target.parentNode.removeChild(p);




},9);
 event.target.parentNode.appendChild(p);
  imageContainers[i].addEventListener('load', handleClick);
},9);



      }






      if (event.target.parentNode.appendChild(p)){
      setTimeout(() => {
 event.target.parentNode.removeChild(p);
  imageContainers[i].addEventListener('load', handleClick);


}, 9); }

 if (event.target.parentNode.removeChild(p)){
      setTimeout(() => {
      document.getElementById("intru1").innerHTML = "";

 event.target.parentNode.removeChild(p);
  imageContainers[i].addEventListener('load', handleClick);


}, 3); }
```

```
      event.target.parentNode.appendChild(p1);
     event.target.parentNode.appendChild(p);
     event.target.parentNode.appendChild(highlighter);

      children.push.appendChild(highlighter);
      children.push.appendChild(p);
    }

    if ( predictions[n].class == "kite") {

predictions[n].class = "□□□□□□□"
document.getElementById("intru2").innerHTML = "□□□□□□□";

airhelpp.play();
airhelpp.loop = true;

song1air.play();
song1air.loop = true;
beep(1000, 2, function () {


    });
 const p = document.createElement('p');
      p.innerText = predictions[n].class  + '  '
            + ""
            + '';
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + predictions[n].bbox[2] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
      highlighter.setAttribute('class', 'highlighter1');
    highlighter.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px;' +
          'width: ' + predictions[n].bbox[2] + 'px;' +
          'height: ' + predictions[n].bbox[3] + 'px;';
         p.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[2] - 5) + 'px;';


setInterval(function(){
  event.target.parentNode.removeChild(highlighter);
 event.target.parentNode.removeChild(p);


},9);

     if (event.target.parentNode.appendChild(highlighter)){


    setTimeout(() => {
     setInterval(function(){


  event.target.parentNode.removeChild(highlighter);
  event.target.parentNode.removeChild(p);


},9);
```

```
 event.target.parentNode.appendChild(p);
  imageContainers[i].addEventListener('load', handleClick);
},9);


      }


      if (event.target.parentNode.appendChild(p)){
      setTimeout(() => {
 event.target.parentNode.removeChild(p);
  imageContainers[i].addEventListener('load', handleClick);


}, 9); }

 if (event.target.parentNode.removeChild(p)){
      setTimeout(() => {
      document.getElementById("intru1").innerHTML = "";

 event.target.parentNode.removeChild(p);
  imageContainers[i].addEventListener('load', handleClick);


}, 3); }


      event.target.parentNode.appendChild(p1);
     event.target.parentNode.appendChild(p);
     event.target.parentNode.appendChild(highlighter);


      children.push.appendChild(highlighter);
      children.push.appendChild(p);
    }


 if ( predictions[n].class == "bird") {

predictions[n].class = "□□□□□□□"
document.getElementById("intru2").innerHTML = "□□□□□□□";

airhelpp.play();
airhelpp.loop = true;

song1air.play();
song1air.loop = true;
beep(1000, 2, function () {


    });

 const p = document.createElement('p');
     p.innerText = predictions[n].class  + '  '
            + ""
            + '';
      // Positioned at the top left of the bounding box.
      // Height is whatever the text takes up.
      // Width subtracts text padding in CSS so fits perfectly.
      p.style = 'left: ' + predictions[n].bbox[2] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px; ' +
          'width: ' + (predictions[n].bbox[0] - 10) + 'px;';

      const highlighter = document.createElement('div');
      highlighter.setAttribute('class', 'highlighter1');
    highlighter.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
          'top: ' + predictions[n].bbox[1] + 'px;' +
          'width: ' + predictions[n].bbox[2] + 'px;' +
          'height: ' + predictions[n].bbox[3] + 'px;';
```

```
        p.style = 'left: ' + predictions[n].bbox[0] + 'px;' +
         'top: ' + predictions[n].bbox[1] + 'px; ' +
         'width: ' + (predictions[n].bbox[2] - 5) + 'px;';




setInterval(function(){
  event.target.parentNode.removeChild(highlighter);
 event.target.parentNode.removeChild(p);



},9);

     if (event.target.parentNode.appendChild(highlighter)){


    setTimeout(() => {
     setInterval(function(){


  event.target.parentNode.removeChild(highlighter);
  event.target.parentNode.removeChild(p);





},9);
 event.target.parentNode.appendChild(p);
  imageContainers[i].addEventListener('load', handleClick);
},9);



      }






      if (event.target.parentNode.appendChild(p)){
      setTimeout(() => {
 event.target.parentNode.removeChild(p);
  imageContainers[i].addEventListener('load', handleClick);


}, 9); }

 if (event.target.parentNode.removeChild(p)){
      setTimeout(() => {
      document.getElementById("intru1").innerHTML = "";

 event.target.parentNode.removeChild(p);
  imageContainers[i].addEventListener('load', handleClick);


}, 3); }






      event.target.parentNode.appendChild(p1);
     event.target.parentNode.appendChild(p);
     event.target.parentNode.appendChild(highlighter);











      children.push.appendChild(highlighter);
      children.push.appendChild(p);
    }
    }
```

```
  window.requestAnimationFrame(enhancedaerial);

  });




}

var myInterval2;

function begin2(event){

myInterval2 = setInterval(function () {

  enhancedaerial(event)}, 6);
 document.getElementById("demo").innerHTML = "□□□□□□";


//when the button is clicked


$('#message').click(function () {

  //stop the interval
  clearInterval(myInterval2);



});

}

 function predictWebcam1() {

  document.getElementById("intru1").innerHTML = " ";

  // Now let's start classifying the stream.
  model.detect(video).then(function (predictions) {






    // Remove any highlighting we did previous frame.
    for (let i = 0; i < children.length; i++) {


   liveView.removeChild(children[i]);
    }
    children.splice(0);


    // Now lets loop through predictions and draw them to the live view if
    // they have a high confidence score.






          liveView.appendChild(highlighter);
          liveView.appendChild(p);




        // Store drawn objects in memory so we can delete them next time around.
```

```
        children.push(highlighter);
        children.push(p);




    // Call this function again to keep predicting when the browser is ready.


    window.requestAnimationFrame(predictWebcam1);
  });
}



    </script>


  </body>
</html>
```